

Air Quality Management and Challenges in New York State

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Composition of the Division of Air Resources

- Employs about 280 technical and scientific staff across the State
- Administers the program through 9 regional and a central office

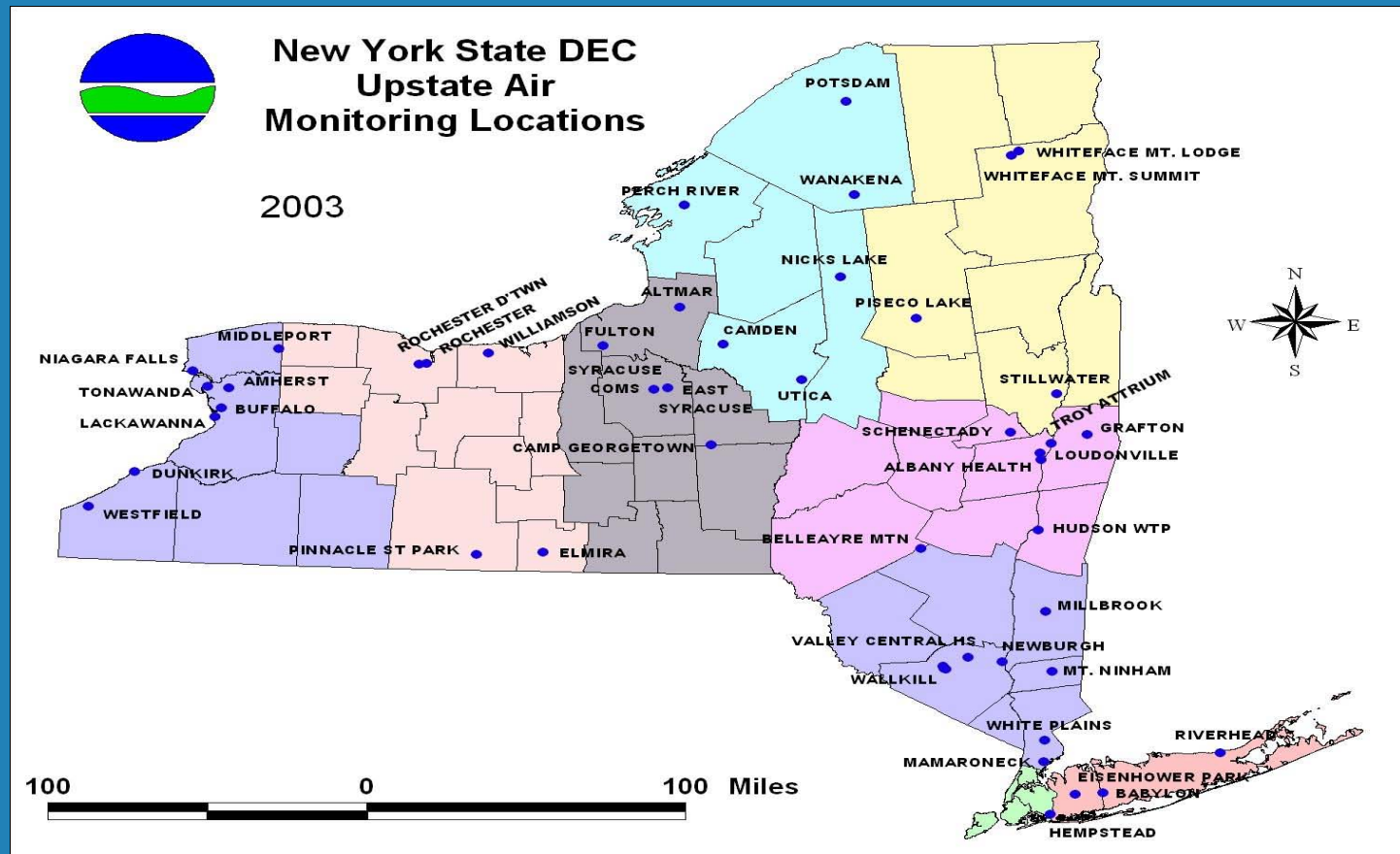


Monitoring Program

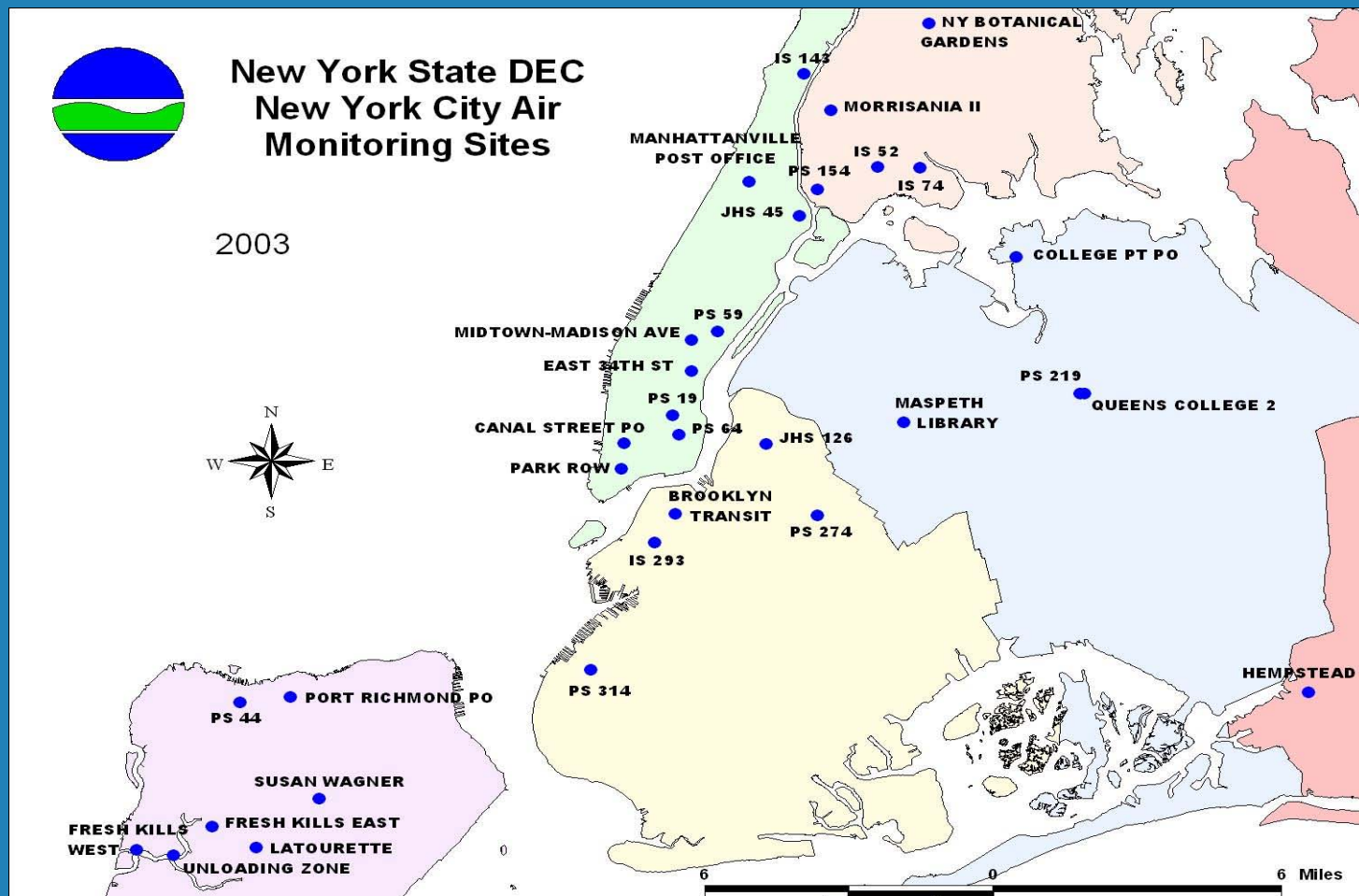
- The state maintains and manages a monitoring network of more than 50 sites that are located not only in urban areas (Manhattan) but also in rural remote areas such as Whiteface Mountain
- The state also conducts measurements of air toxics and acid deposition besides criteria pollutant monitoring



Location of Monitoring Sites in New York State (Excluding New York City)



Location of Monitoring Sites in New York City



Status of Air Quality State-Wide

- Criteria pollutants - lead, sulfur dioxide, carbon monoxide, nitrogen dioxide and PM₁₀ - are all meeting the NAAQS
- Ozone and PM_{2.5} are the only two pollutants that are currently exceeding the NAAQS
- Designation of the areas is on-going with the State Implementation Plans due in 2007/2008



Control Programs

- RACT
- LEV
- I/M
- Title IV
- NO_x SIP Call
- Summer Fuels for Upstate
- Governor's Acid Rain Initiative
- Regional Greenhouse Gas Initiative
- OTC model rules for VOCs and NO_x



Challenges Facing the State

- Recognizing that pollutant transport into the State is a major concern, we initiated an assessment of the 8-hr ozone and PM_{2.5} issues under the OTC regional/urban modeling effort
- Investigation of innovative approaches to address multi-pollutant issues



Challenges Facing the State

- Need for a better understanding of PM_{2.5} speciation and the secondary aerosol formation in the development of control strategies:
 - In-stack measurement methods for fine particulates and condensables
 - Role of tailpipe emissions and ultrafine particulates



Challenges Facing the State

- Increased emphasis on the measurement and assessment of air toxics to address acute and epidemiological problems
- Need to maintain a balanced approach between monitoring air toxics and criteria pollutants under the proposed regulatory framework



Summary

- We look forward to continued cooperation and support between the agencies for the improvement of New York's air quality

